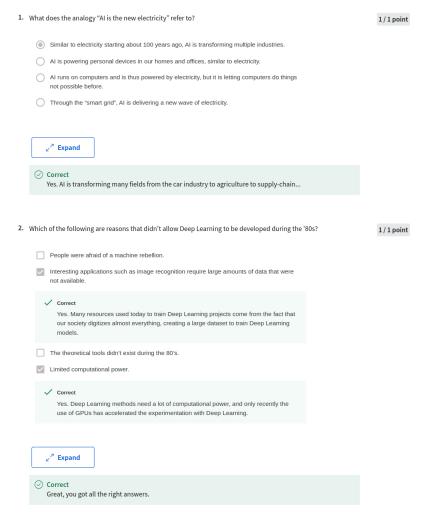
Congratulations! You passed!

Grade received 90%

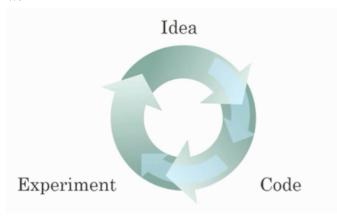
Latest Submission Grade 90% To pass 80% or higher

Go to next item



 Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.)





- It is faster to train on a big dataset than a small dataset.
- Recent progress in deep learning algorithms has allowed us to train good models faster (even without changing the CPU/GPU hardware).

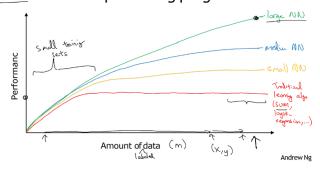
✓ Correct

Yes. For example, we discussed how switching from sigmoid to ReLU activation functions allows faster training.

Faster computation can help speed up how long a team takes to iterate to a good idea.	
✓ Correct Yes, as discussed in Lecture 4.	
Being able to try out ideas quickly allows deep learning engineers to iterate more quickly.	
✓ Correct	
Yes, as discussed in Lecture 4.	
∠ ⁿ Expand	
⊘ Correct	
Great, you got all the right answers.	
When experienced deep learning engineers work on a new problem, they can usually use insight from previous problems to train a good model on the first try, without needing to iterate multiple times through different models. True/False?	1/1 point
False	
○ True	
∠ ⁿ Expand	
⊙ Correct	
Yes. Finding the characteristics of a model is key to having good performance. Although experience can help, it requires multiple iterations to build a good model.	
ReLU stands for which of the following?	1/1 point
Rectified Last Unit	
Rectified Linear Unit	
Representation Linear Unit	
Recognition Linear Unit	
∠ ⁷ Expand	
○ Correct Correct, ReLU stands for Rectified Linear Unit.	
Features of animals, such as weight, height, and color, are used for classification between cats, dogs, or others.	1/1 point
This is an example of "structured" data, because they are represented as arrays in a computer. True/False?	
True Yes. The data can be represented by columns of data. This is an example of structured	
data, unlike images of the animal. False	
No. The data can be represented by columns of data. This is an example of structured data, unlike images of the animal.	
∠ ⁷ Expand	
⊘ Correct	
A dataset is composed of age and weight data for several people. This dataset is an example of "structured" data	111
A dataset is composed of age and weight data for several people. This dataset is an example of structured data because it is represented as an array in a computer. True/False?	1/1 point
True	
True False	

1/1 point

Scale drives deep learning progress



From the given diagram, we can deduce that Large NN models are always better than traditional learning algorithms. True/False?

False

○ True

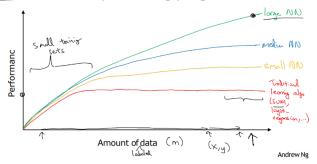
∠[¬] Expand

Correct
 Yes, when the amount of data is not large the performance of traditional learning algorithms is shown to be the same as NN.

10. Assuming the trends described in the figure are accurate. Which of the following statements are true? Choose all that apply.

0/1 point

Scale drives deep learning progress



✓ Increasing the training set size of a traditional learning algorithm always improves its performance.
 ! This should not be selected
 No. After a certain size, traditional learning algorithms don't improve their performance.
 □ Decreasing the training set size generally does not hurt an algorithm's performance, and it may help significantly.
 ☑ Increasing the training set size of a traditional learning algorithm stops helping to improve the performance after a certain size.
 ✓ Correct
 Yes. After a certain size, traditional learning algorithms don't improve their performance.
 ☑ Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.
 ✓ Correct
 Yes. According to the trends in the figure above, big networks usually perform better than small networks.



⊗ Incorrect

You chose the extra incorrect answers.